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KOCH NITROGEN COMPANY LLC

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February 16, 2011

***Via Overnight Mail***

NDEQ Air Quality Division  
1200 'N' Street Atrium, Suite 400  
Lincoln, NE 68509-8922

Region VII EPA - Air & Waste Management  
901 N. 5th Street  
Kansas City, KS 66101-2907

**RE: Initial Notification for 40 CFR Part 63 Subpart ZZZZ  
Koch Nitrogen Company, LLC – Beatrice Nitrogen Plant  
Facility ID # 23383**

Dear Sir or Madam:

Koch Nitrogen Company, LLC (KNC), as the owner and operator of the Beatrice Nitrogen Plant, is submitting an initial notification for the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (40 CFR Part 63, Subpart ZZZZ). KNC is submitting this notification in an abundance of caution as KNC is not certain whether the brake horsepower of the engine exceeds 100 hp. The engine is a compression ignition engine that has been used at the facility since at least 1980 and perhaps as early as 1965. The engine's compliance date is May 3, 2013, and the types of hazardous air pollutants that may be emitted from the engine would be those associated with incomplete combustion of diesel, such as formaldehyde, benzene, and PAHs.

If you have any questions or need additional information, please contact Patricia Hurd, Environmental Leader, at (402) 223-3577.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Pascal Van Teeffelen', with a long horizontal flourish extending to the right.

Pascal Van Teeffelen  
Plant Manager

Enclosure: 40 CFR Part 63, Subpart ZZZZ, Initial Notification form

cc: Patricia Hurd, Koch Nitrogen Company, Beatrice, Nebraska  
Tom Siegrist, Wichita, Kansas, w/enc.

402.223.3577 Tel  
402.228.2528 Fax

21178 Southwest 89th Road  
Beatrice, Nebraska 68310-6772



NEBRASKA DEPARTMENT OF ENVIRONMENTAL QUALITY  
Air Quality Division

INITIAL NOTIFICATION FORM

**Applicable Rule:** 40 CFR Part 63, Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines (RICE) - Promulgated 6/15/04, 1/18/08, 3/3/10, & 8/20/10

Company Name KOCH NITROGEN COMPANY, LLC Facility ID# 23383

Owner/Operator/Title PASCAL VAN TEEFFELEN, PLANT MANAGER

Mailing Address 21178 SW 89<sup>TH</sup> ROAD

City BEATRICE, NEBRASKA

Zip 68310

Plant Address (if different than owner/operator's mailing address):

Street \_\_\_\_\_

City \_\_\_\_\_

Zip \_\_\_\_\_

Plant Phone Number 402-223-3577

Plant Contact/Title Patricia Hurd, Environmental Leader

**This form must be completed, signed and submitted to the following agencies:**

NDEQ Air Quality Division  
1200 'N' St. Atrium, Suite 400  
Lincoln, NE 68509-8922

**and**

Region VII EPA – Air & Waste Management  
901 N. 5<sup>th</sup> Street  
Kansas City, KS 66101-2907

If your facility is located in Omaha or Lancaster County, you must submit a notification to the appropriate air pollution control agency in that area and Region VII EPA.

**Provide the following information for the applicable stationary engine(s). Add additional tables or rows as needed.**

Unit #	Engine Startup Date	Site Rating Brake Horsepower	Displacement (liters/cylinder)	Fuel(s) Combusted	Compression Ignition <sup>1</sup>	Spark Ignition	Emergency	Limited Use
1	prior to 1980	<296	4	diesel	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> 4-Stroke <input type="checkbox"/> 2-Stroke <input type="checkbox"/> Lean Burn <input type="checkbox"/> Rich Burn	<input type="checkbox"/> YES	<input type="checkbox"/> YES
					<input type="checkbox"/> YES	<input type="checkbox"/> 4-Stroke <input type="checkbox"/> 2-Stroke <input type="checkbox"/> Lean Burn <input type="checkbox"/> Rich Burn	<input type="checkbox"/> YES	<input type="checkbox"/> YES

<sup>1</sup> Dual fuel engines burning more than 2% oil (on an annual average total energy basis) are considered compression ignition even if they utilize spark plugs to ignite the engine.

Unit #	Engine Startup Date	Site Rating Brake Horsepower	Displacement (liters/cylinder)	Fuel(s) Combusted	Compression Ignition <sup>1</sup>	Spark Ignition	Emergency	Limited Use
					<input type="checkbox"/> YES	<input type="checkbox"/> 4-Stroke <input type="checkbox"/> 2-Stroke <input type="checkbox"/> Lean Burn <input type="checkbox"/> Rich Burn	<input type="checkbox"/> YES	<input type="checkbox"/> YES
					<input type="checkbox"/> YES	<input type="checkbox"/> 4-Stroke <input type="checkbox"/> 2-Stroke <input type="checkbox"/> Lean Burn <input type="checkbox"/> Rich Burn	<input type="checkbox"/> YES	<input type="checkbox"/> YES
					<input type="checkbox"/> YES	<input type="checkbox"/> 4-Stroke <input type="checkbox"/> 2-Stroke <input type="checkbox"/> Lean Burn <input type="checkbox"/> Rich Burn	<input type="checkbox"/> YES	<input type="checkbox"/> YES
					<input type="checkbox"/> YES	<input type="checkbox"/> 4-Stroke <input type="checkbox"/> 2-Stroke <input type="checkbox"/> Lean Burn <input type="checkbox"/> Rich Burn	<input type="checkbox"/> YES	<input type="checkbox"/> YES

**Source Classification - Check the box that applies:**

- ☒ Facility is a major source of hazardous air pollutants (HAPs).\*
- ☐ Facility is an area source of HAPs.\*

*\*Note: A major source is a facility that has a potential to emit greater than 10 tons per year of any single HAP or 25 tons per year of all HAPs combined. All other sources are area sources. The major/area source determination is based on all HAP emission points inside the facility fence line.*

Is the engine(s) a new/reconstructed emergency or limited use engine and > 500 horsepower located at a major source of HAP ? ☐ Yes ☒ No

*If YES, the engine(s) does not have any additional requirements under Subpart ZZZZ, but you must meet the requirements of 40 CFR Part 60 New Source Performance Standards Subpart IIII for Compression Ignition Engines or Subpart JJJJ for Spark Ignition Engines .*

**Source Type - Check the box that applies:**

- ☐ New Source\*
- ☒ Existing source\*

*\*Note: To determine if you are a new or existing source, see the attached information following this form.*

**Print or type the name and title of the Responsible Official for the facility:**

**Name:** Pascal Van Teeffelen

**Title:** Plant Manager

A Responsible Official can be:

- The president, vice president, secretary, or treasurer of the company that owns the plant;
- An owner of the plant;
- A plant engineer or supervisor of the plant;
- A government official, if the plant is owned by the Federal, State, City, or County government; or
- A ranking military officer, if the plant is located at a military base.

**I CERTIFY THAT INFORMATION CONTAINED IN THIS REPORT IS ACCURATE AND TRUE TO THE BEST OF MY KNOWLEDGE.**



16-2-2011